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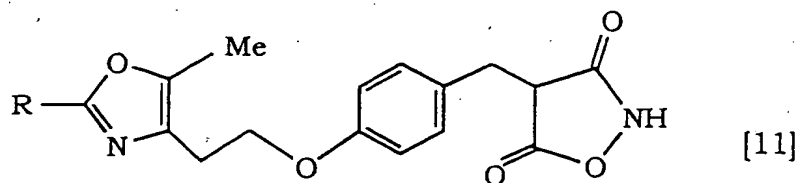
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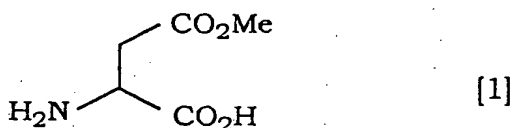
WHAT IS CLAIMED IS

1. A method for producing an isoxazolidinedione compound of the formula [11]



wherein R is an optionally substituted aromatic hydrocarbon group, an optionally substituted alicyclic hydrocarbon group, an optionally substituted heterocyclic group or an optionally substituted condensed heterocyclic group, or a salt thereof, comprising the steps of

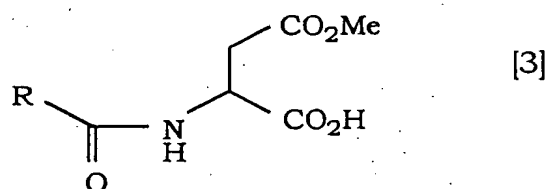
- (a) reacting compound [1]



or a salt thereof with a compound of the formula [2]

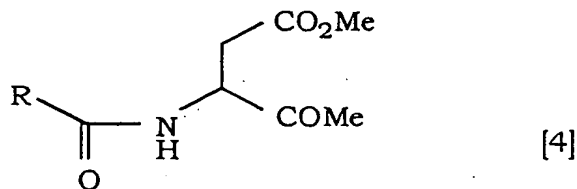


wherein R is as defined above, in the presence of an inorganic base in an aqueous solvent to give an aspartate derivative of the formula [3]



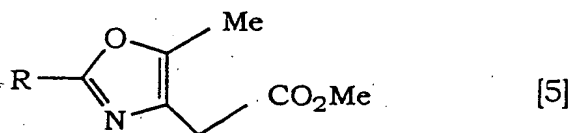
wherein R is as defined above;

- (b) reacting this compound with acetic anhydride using dimethylaminopyridine as a catalyst in the presence of a base, followed by heating for decarboxylation to give a compound of the formula [4]



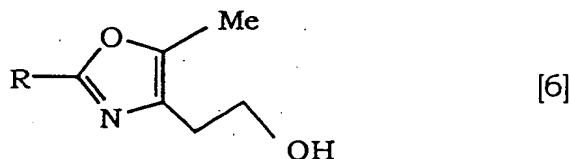
wherein R is as defined above;

(c) adding p-toluenesulfonic acid without isolating this compound to give an oxazolyacetate derivative of the formula [5]



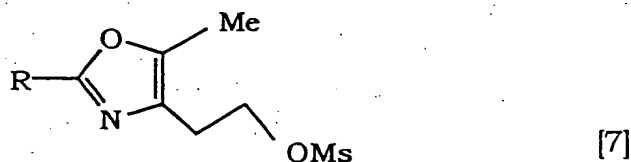
wherein R is as defined above;

(d) reducing this compound in tetrahydrofuran in the presence of NaBH₄ as a reducing agent and methanol as an activating agent to give an oxazolyethanol derivative of the formula [6]



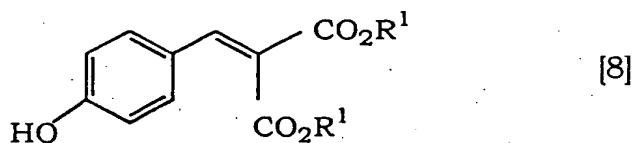
wherein R is as defined above;

(e) reacting this compound with mesyl chloride in toluene in the presence of triethylamine as a base catalyst to give a methanesulfonate derivative of the formula [7]

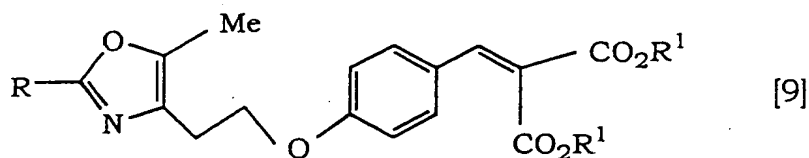


wherein R is as defined above;

(f) reacting this compound with a compound of the formula [8]

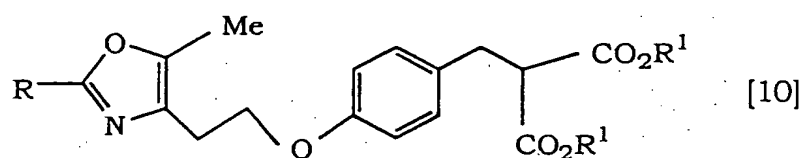


wherein R¹ is a lower alkyl, in the presence of potassium carbonate and a quaternary ammonium salt or tris[2-(2-methoxyethoxy)ethyl]amine as a catalyst to give a benzylidene derivative of the formula [9]



wherein R and R¹ is as defined above;

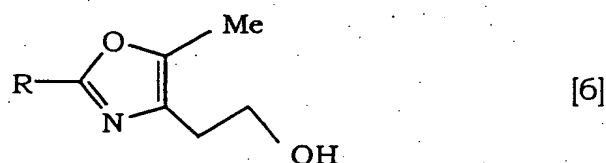
(g) reducing this compound under hydrogen atmosphere to give a malonic acid derivative of the formula [10]



wherein R and R¹ is as defined above; and

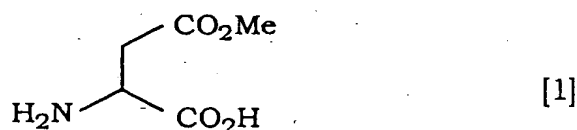
(h) reacting this compound with hydroxylamine in the presence of a base.

2. A method for producing an oxazolylethanol derivative of the formula [6]



wherein R is as defined in claim 1, or a salt thereof comprising the steps of

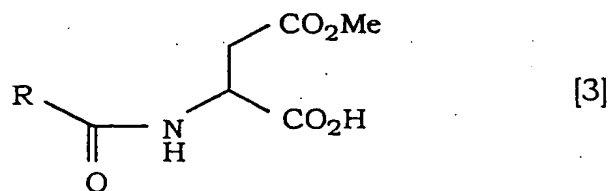
(b) reacting a compound [1]



or a salt thereof in an aqueous solvent with a compound of the formula [2]

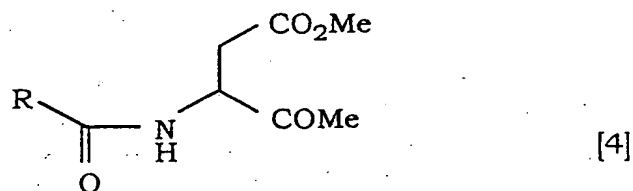


wherein R is as defined above, in the presence of an inorganic base to give an aspartate derivative of the formula [3]



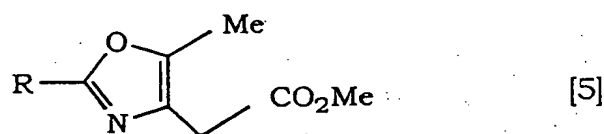
wherein R is as defined above;

(b) reacting this compound with acetic anhydride using dimethylaminopyridine as a catalyst in the presence of a base, followed by heating for decarboxylation to give a compound of the formula [4]



wherein R is as defined above;

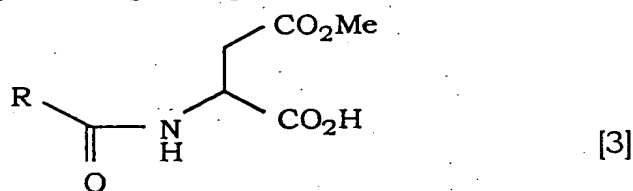
(c) adding p-toluenesulfonic acid without isolating this compound to give an oxazolyllacetate derivative of the formula [5]



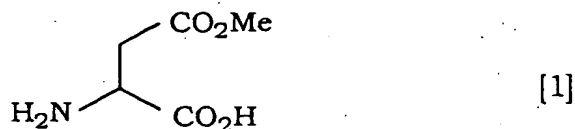
wherein R is as defined above; and

(d) reducing this compound in tetrahydrofuran in the presence of NaBH_4 as a reducing agent and methanol as an activating agent.

3. A method for producing an aspartate derivative of the formula [3]



wherein R is as defined in claim 1, or a salt thereof, comprising reacting a compound [1]

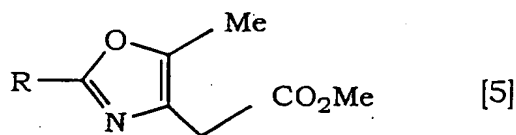


or a salt thereof with a compound of the formula [2]

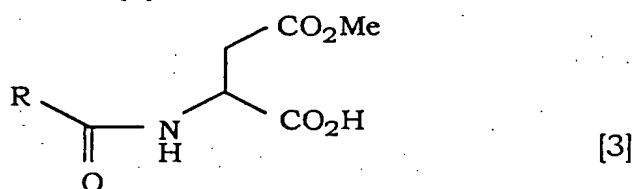


wherein R is as defined above, in an aqueous solvent in the presence of an inorganic base.

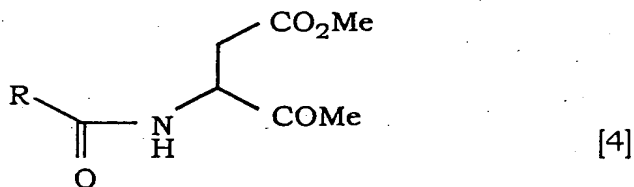
4. A method for producing an oxazolylacetate derivative of the formula [5]



wherein R is as defined in claim 1, or a salt thereof, comprising reacting a compound of the formula [3]

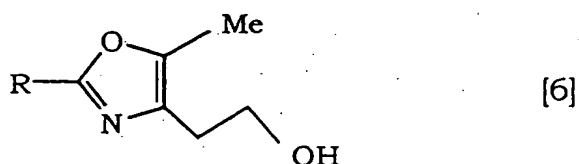


wherein R is as defined above, with acetic anhydride using dimethylaminopyridine as a catalyst in the presence of a base, heating for decarboxylation to give a compound of the formula [4]

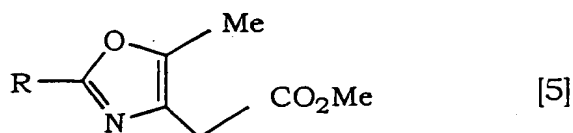


wherein R is as defined above, and adding p-toluenesulfonic acid without isolating this compound.

5. A method for producing an oxazolyethanol derivative of the formula [6]

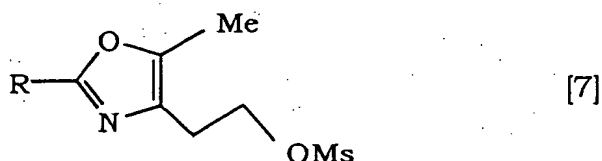


wherein R is as defined in claim 1, or a salt thereof, comprising reacting an oxazolylacetate derivative of the formula [5]

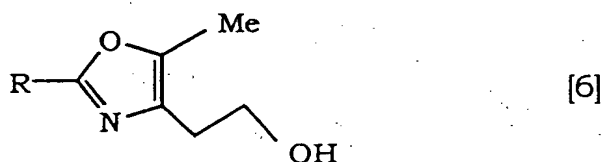


wherein R is as defined above, in tetrahydrofuran in the presence of NaBH_4 as a reducing agent and methanol as an activating agent.

6. A method for producing a methanesulfonate derivative of the formula [7]

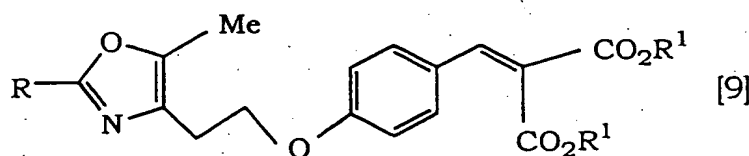


wherein R is as defined in claim 1, or a salt thereof, comprising reacting an oxazolyethanol derivative of the formula [6]

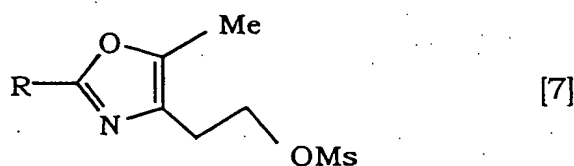


wherein R is as defined above, with mesyl chloride in toluene in the presence of triethylamine as a base catalyst.

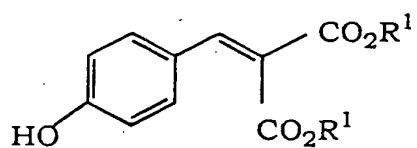
7. A method for producing a benzylidene derivative of the formula [9]



wherein R is as defined in claim 1 and R^1 is a lower alkyl, or a salt thereof, comprising reacting a methanesulfonate derivative of the formula [7]



wherein R is as defined above, with a compound of the formula [8]



[8]

wherein R^1 is as defined above, in the presence of potassium carbonate and a quaternary ammonium salt or tris[2-(2-methoxyethoxy)ethyl]amine as a catalyst.